

G&T's rugged, heavy duty Flat Plate is engineered, manufactured and installed to provide a life that exceeds industry standards, maximizing your investment.



Introduction

G&T's patented Flat Plate device is a closed loop, articulating crescent shaped plate conveyor designed to provide a continuous moving surface for heavy duty baggage claim or make-up applications.

The unit operates at 90 FPM and can be manually or automatically loaded. With a conveying width of 41 inches (nominal), it is one of the widest in the industry. The overall footprint of this device can be as narrow as 9 feet 10¼ in. to maximize presentation without sacrificing floor space. With a 250 lbs/ft load capacity, this robust device is designed to outperform the competition.

Frame and Track

The modular frame is constructed of structural steel angle and flat sidebars supported on 3 feet 4 in. centers providing a rigid, smooth surface to guide the crescent plates.

Deck

The claim unit deck can be either a flat or raised design depending on the aesthetic appeal desired. In either case, the top of the deck is constructed of 3/4 in. fire retardant plywood supported by either a wooden or steel platform. The deck has a lockable access hatch for easy maintenance.

Carriage Link Assembly

Each modular carriage assembly consists of precision fabricated links supported and guided by polyurethane wheels. The crescent shaped carriage plate is attached to each link to create a smooth, flat continuous surface.

Drive Assembly

The drive assembly consists of a heavy duty, double-pitch roller chain driven by a motor through a gear reducer and drive sprocket. The roller chain engages three modular pallet assemblies at all times and features a double drive sprocket and dual roller chains.

Electrical Controls

All G&T Flat Plate devices are furnished with soft-start for smooth start-ups, start warning, emergency stops and overload protection.

Trim

For installation in public claim areas, the outer peripheral guards and trim strips are Type 304 stainless with #4 brush finish. For installation in non-public sortation areas, the outer peripheral guards and trim strips are steel, finished in wear and rust-resistant paint. A 4 in. high toe space is provided at the base of the peripheral guards.

Technical Specifications and General Descriptions

Characteristics	Make-up Device	Claim Device
Conveying Width (Overall)	41 in. nominal	41 in. nominal
Width of Conveying Surface	35 in. nominal	35 in. nominal
Pallet Construction	1/4 in. hot-rolled Steel	1/4 in. hot-rolled Steel
Pallet Finish	Black paint	1/16 in. polyurethane coating
Load Capacity	250 lbs. / linear foot	250 lbs. / linear foot
Height	24 in. (suggested)	12 1/2 in. nominal
Conveying Speed	90 FPM	90 FPM
Drive	Dual roller chain	Dual roller chain
Pallet Support	Urethane bearing wheels	Urethane bearing wheels
Frame Trim	Hot-rolled steel, painted	Stainless steel
Framework	Structural steel shapes	Structural steel

Features and Benefits

- Superior Quality and Attractive Appearance
- Extremely Reliable and Whisper Quiet
- Heavy Duty
- High Capacity
- Easily Maintained
- Modular Design for Greater Flexibility



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1630 S. 4800 W. Suite D
Salt Lake City, UT 84104

Phone: (801) 401-5500 Fax: (801) 401-5501

www.gtconveyor.com ■ www.fivestaraa.com

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